

Aber, J.D. see Wessman, C.A., 6

Adams, W.T. see Merkle, S.A., 181

Adkins, C.W. see Nelson, R.M., Jr., 391

Alaback, P.B., and Herman, F.R. Long-term response of under-story vegetation to stand density in *Picea-Tsuga* forests, 1522

Alig, R.J. see Parks, P.J., 965

Amman, G.D., McGregor, M.D., Schmitz, R.F., and Oakes, R.D. Susceptibility of lodgepole pine to infestation by mountain pine beetles following partial cutting of stands, 688

Armentano, T.V. see Muir, P.S., 498

Arnott, J.T., and Burdett, A.N. Early growth of planted western hemlock in relation to stock type and controlled-release fertilizer application, 710

Arp, P.A., and Manasc, J. Red spruce stands downwind from a coal-burning power generator: tree-ring analysis, 251

Arthaud, G.J., and Klemperer, W.D. Optimizing high and low thinnings in loblolly pine with dynamic programming, 1118

Aussenac, G., and Granier, A. Effects of thinning on water stress and growth in Douglas-fir, 100

Ballard, L.A., and Long, J.N. Influence of stand density on log quality of lodgepole pine, 911

Ballard, T.M. see Vihnanek, R.E., 718

Bare, B.B., and Mendoza, G.A. A soft optimization approach to forest land management planning, 545

Barrett, J. see Farmer, R.E., Jr., 1078

Barry, R., Plamondon, A.P., and Stein, J. Hydrologic soil properties and application of a soil moisture model in a balsam fir forest, 427

Bartel-Ortiz, L.M., and David, M.B. Sulfur constituents and transformations in upland and floodplain forest soils, 1106

Bartram, C., and Miller, G. Estimation of seed orchard efficiencies by means of multistage variable probability sampling, 1397

Basham, J.T. Decay and stain 10 years later in aspen suckers subjected to scarification at age 3, 1507

Beatty, S.W., and Sholes, O.D.V. Leaf litter effect on plant species composition of deciduous forest treefall pits, 553

Beckett, D.R. see Jannick, M.S., 330

Bedker, P.J., and Blanchette, R.A. Mortality of Scots pine following inoculation with the pinewood nematode, *Bursaphelus xylophilus*, 574

Beeson, R. see Margolis, H.A., 962

Beeson, R.C., Jr., and Proebsting, W.M. Photosynthate translocation during union development in *Picea* grafts, 986

Bégin, J. see Margolis, H.A., 962

Bell, J.C. see Moran, G.F., 506

Bella, I.E., and Navratil, S. Western gall rust dynamics and impact in young lodgepole pine stands in west-central Alberta, 1437

Bella, I.E. see Zakrzewski, W.T., 195

Bella, I.E. see Tait, D.E., 1255

Bellefleur, P. see Messier, C., 615

Bellefleur, P. see Margolis, H.A., 962

Bentzer, B.G., Foster, G.S., Hellberg, A.R., and Podzorski, A.C. Genotype \times environment interaction in Norway spruce involving three levels of genetic control: seed source, clone mixture, and clone, 1172

Bergeron, J.-M., and Tardif, J. Winter browsing preferences of snowshoe hares for coniferous seedlings and its implication in large-scale reforestation programs, 280

Bernier, B., and Brazeau, M. Foliar nutrient status in relation to sugar maple dieback and decline in the Quebec Appalachians, 754

Bernier, B., and Brazeau, M. Nutrient deficiency symptoms associated with sugar maple dieback and decline in the Quebec Appalachians, 762

Bernier, B., and Brazeau, M. Magnesium deficiency symptoms associated with sugar maple dieback in a Lower Laurentians site in southeastern Quebec, 1265

Bernier, B., and Brazeau, M. An occurrence of boron deficiency in the deciduous forest of the Quebec Appalachians and the St. Lawrence Lowlands, 1652

Berryman, A.A. see Lieutier, F., 1243

Biging, G.S. Estimating the accuracy of volume equations using taper equations of stem profile, 1002

Bingham, B.B., and Sawyer, J.O., Jr. Volume and mass of decaying logs in an upland old-growth redwood forest, 1649

Binkley, C.S. see Cardellichio, P.A., 981

Binkley, D. see Hedman, C.W., 1090

Black, T.A. see Livingston, N.J., 1234

Blake, J.I., and Hoogenboom, G. A dynamic simulation of loblolly pine (*Pinus taeda* L.) seedling establishment based upon carbon and water balances, 833

Blanchette, R.A. see Bedker, P.J., 574

Blenis, P.V., and Pinnell, H.D. Effect of inoculum concentration of *Endocronartium harknessii* on the infection of lodgepole pine, 1123

Blenis, P.V., Wiggins, K.L., Cunningham, J.E., and Pickard, M.A. Maltol protects against infection of lodgepole pine seedlings by western gall rust, 1658

Bloomberg, W.J., and Brix, H. Effect of root injury and auxin treatments on adventitious root development in second-growth Douglas-fir, 957

Blum, B.M. Variation in the phenology of bud flushing in white and red spruce, 315

Blumen, A. see von Niessen, W., 805

Bockheim, J.G. see Ruark, G.A., 435

Boring, L.R. see White, D.L., 54

Boyce, R.L. Wind direction and fir wave motion, 461

Bozzuto, L.M., and Wilson, B.F. Branch angle in red maple trees, 643

Brand, D.G., and Janas, P.S. Growth and acclimation of planted white pine and white spruce seedlings in response to environmental conditions, 320

Brand, D.G., and Magnussen, S. Asymmetric, two-sided competition in even-aged monocultures of red pine, 901

Brann, T.B. see Reams, G.A., 787

Brazeau, M. see Bernier, B., 754

Brazeau, M. see Bernier, B., 762

Brazeau, M. see Bernier, B., 1265

Brazeau, M. see Bernier, B., 1652

Breuil, C., Seifert, K.A., Yamada, J., Rossignol, L., and Saddler, J.N. Quantitative estimation of fungal colonization of wood using an enzyme-linked immunosorbent assay, 374

Brix, H. see Bloomberg, W.J., 957

Brown, B.G., and Murphy, A.H. On the economic value of weather forecasts in wildfire suppression mobilization decisions, 1641

Brown, K.M., and Mugasha, A.G. A two-stage method for horizontal point sampling in young forest stands, 1340

Brown, K.R., Zobel, D.B., and Zasada, J.C. Seed dispersal, seedling emergence, and early survival of *Larix laricina* (DuRoi) K. Koch in the Tanana Valley, Alaska, 306

Brumelis, G., and Carleton, T.J. The vegetation of postlogged black spruce lowlands in central Canada. I. Trees and tall shrubs, 1470

Bunnell, F.L. see Vales, D.J., 606

Buongiorno, J., Chavas, J.-P., and Uusivuori, J. Exchange rates, Canadian lumber imports, and United States prices: a time-series analysis, 1587

Burdett, A.N. see Arnott, J.T., 710

Burk, T.E. see Sievänen, R., 1027

Burkhart, H.E. see Dyer, M.E., 825

Calamassi, R., Falusi, M., and Mugnai, L. Shoot morphology and growth pattern in seedlings of *Pinus brutia* provenances, 188

Campbell, R.K. see Merkle, S.A., 181

Cardellicchio, P.A., and Binkley, C.S. The effects of overrun improvements on stumpage price inflation, 981

Carleton, T.J. see Brumelis, G., 1470

Carlson, C.E., McCaughey, W.W., and Theroux, L.J. Relations among stand structure, dispersal of second-instar western spruce budworm, defoliation, and height growth of young conifers, 794

Carlson, W.C., Harrington, C.A., Farnum, P., and Hallgren, S.W. Effects of root severing treatments on loblolly pine, 1376

Carmean, W.H. see Schmidt, M.G., 297

Carter, G.A., Smith, W.K., and Hadley, J.L. Stomatal conductance in three conifer species at different elevations during summer in Wyoming, 242

Castello, J.D. see Ferris, M.A., 813

Cates, R.G. see Van Horne, B., 90

Cates, R.G. see Paine, T.D., 1556

Catling, P.M., and Spicer, K.W. The separation of *Betula populifolia* and *Betula pendula* and their status in Ontario, 1017

Ceulemans, R., Impens, I., and Steenackers, V. Genetic variation in aspects of leaf growth of *Populus* clones, using the leaf plastochron index, 1069

Chabot, M. see Gagnon, R.R., 1655

Chakravarty, P., and Chatarpaul, L. The effects of Velpar L (hexazinone) on seedling growth and ectomycorrhizal symbiosis *Pinus resinosa*, 917

Chatarpaul, L. see Chakravarty, P., 917

Chauvet, G. see Keith, C.T., 1325

Chavas, J.-P. see Buongiorno, J., 1587

Cheliak, W.M., Wang, J., and Pitel, J.A. Population structure and genetic diversity in tamarack, *Larix laricina* (Du Roi) K. Koch, 1318

Cheliak, W.M. see Farmer, R.E., Jr., 1078

Chong, N. see Juzwik, J., 1493

Cieszewski, C.J. see Tait, D.E., 1255

Clancy, K.M., Wagner, M.R., and Tinus, R.W. Variation in host foliage nutrient concentrations in relation to western spruce budworm herbivory, 530

Clatterbuck, W.K., and Hedges, J.D. Development of cherrybark oak and sweet gum in mixed, even-aged bottomland stands in central Mississippi, U.S.A., 12

Cleland, D.T. see Host, G.E., 659

Clements, S.E., Leuschner, W.A., Hoganson, H., and Wisdom, H.W. A local roundwood supply and price assessment model, 1563

Colombo, S.J. see Koppenaal, R.S., 1103

Conkey, L.E. Decline in old-growth red spruce in western Maine: an analysis of wood density and climate, 1063

Constantino, L.F. Sawlog prices and quality differences in Canadian and United States Pacific coastal log markets, 540

Constantino, L.F., and Haley, D. Wood quality and the input and output choices of sawmilling producers for the British Columbia coast and the United States Pacific Northwest, west side, 202

Cook, S.P., and Hain, F.P. Wound response of loblolly and shortleaf pine attached or reattacked by *Dendrotonus frontalis* Zimmermann (Coleoptera: Scolytidae) or its fungal associate, *Ceratocystis minor* (Hedgecock) Hunt, 33

Corns, I.G.W. Compaction by forestry equipment and effects on coniferous seedling growth on four soils in the Alberta foothills, 75

Courchesne, F., et Hendershot, W.H. Cycle annuel des éléments nutritifs dans un bassin-versant forestier: contribution de la litière fraîche, 930

Cregg, B.M., Dougherty, P.M., and Hennessey, T.C. Growth and wood quality of young loblolly pine trees in relation to stand density and climatic factors, 851

Crutchfield, W.B. see St. Clair, J.B., 640

Cromack, K. see Helgerson, O.T., 1082

Cromack, K., Jr. see Heath, B., 68

Cronan, C.S. see Rustad, L.E., 947

Crow, T.R. see Erdmann, G.G., 134

Cunningham, J.E. see Blenis, P.V., 1658

Cwynar, L.C. Late Quaternary vegetation history of Kettlehole Pond, southwestern Yukon, 1270

Dancik, B.P. see Govindaraju, D.R., 1347

Dancik, B.P. see Kenny, J.R., 1595

David, M.B., Grigal, D.F., Ohmann, L.F., and Gertner, G.Z. Sulfur, carbon, and nitrogen relationships in forest soils across the northern Great Lake States as affected by atmospheric deposition and vegetation, 1386

David, M.B. see Bartel-Ortiz, L.M., 1106

DeBell, D.S. see Franklin, J.F., 633

Delisle, G.P., Woodard, P.M., Titus, S.J., and Johnson, A.F. Sample size and variability of fuel weight estimates in natural stands of lodgepole pine, 649

Dell, T.R. see Van Deusen, P.C., 825

Desprez-Loustau, M.L., et Dessureault, M. Influence de stress contrôlés sur la sensibilité du bouleau jaune au chancré godronné causé par *Godronia cassandrae* Peck f.sp. *betulicola* Groves, 121

Dessureault, M. see Desprez-Loustau, M.L., 121

DeYoe, D.R. see Tung, C.-H., 1486

Dictus, K. see Godbold, D.L., 1167

Diebolt, K.S., and Mudge, K.W. Use of a video-imaging system for estimating leaf surface area of *Pinus sylvestris* seedlings, 377

Dodd, R.S. Cyclophytic effects on wood structure in *Pinus radiata* D. Don. II. Tracheid morphology, 413

Dodd, R.S., and Walker, N.K. Cyclophytic effects on wood structure in *Pinus radiata* D. Don. I. Densitometry and grain angle, 406

Dougherty, P.M. see Cregg, B.M., 851

Drew, A.P. Interference of black cherry by ground flora of the Allegheny uplands, 652

Dumas, C. see Villar, M., 1261

Dumas, M.T. Biological species of *Armillaria* in the mixedwood forest of northern Ontario, 872

Dunstan, D.I. Prospects and progress in conifer biotechnology, 1497

Dyer, M.E., and Burkhart, H.E. *Reply*: Compatible crown ratio and crown height models by P.C. Van Deusen and T.R. Dell, 825

Eis, S. Erratum: Root systems of older immature hemlock, cedar, and Douglas-fir, 657

Ek, A.R. see Sievänen, R., 1027

Eldridge, K.G. see Moran, G.F., 506

El-Kassaby, Y.A. see Thomson, A.J., 515

Erdmann, G.G., Crow, T.R., and Rauscher, H.M. Foliar nutrient variation and sampling intensity for *Acer rubrum* trees, 134

Fahey, T.J., Yavitt, J.B., and Joyce, G. Precipitation and throughfall chemistry in *Pinus contorta* ssp. *latifolia* ecosystems, southeastern Wyoming, 337

Fall, M. see Iles, K., 774

Falusi, M. see Calamassi, R., 188

Farmer, R.E., Jr., Garlick, K., and Watson, S.R. Heritability and C effects in a 3-year-old balsam poplar clonal test, 1059

Farmer, R.E., Jr., Cheliak, W.M., Perry, D.J., Knowles, P., Barrett, J., and Pitel, J.A. Isozyme variation in balsam poplar along a latitudinal transect in northwestern Ontario, 1078

Farnum, P. see Carlson, W.C., 1376

Farrar, R.M., Jr. see Murphy, P.A., 827

Federer, C.A. see Hornbeck, J.W., 1337

Fedosejevs, G. see Leckie, D.G., 1008

Feller, M.C. see Trowbridge, R., 128

Fenn, R.C. see Stettler, R.F., 745

Feret, P.P. see Johnsen, K.H., 610

Ferm, A. see Kauppi, A., 1603

Ferris, M.A., and Castello, J.D. Detection of tomato ringspot virus in white ash and adjacent vegetation in central New York, 813

Fites, J.A., and Teskey, R.O. CO₂ and water vapor exchange of *Pinus taeda* in relation to stomatal behavior: test of an optimization hypothesis, 150

Fitzgerald, J.W. see Watwood, M.E., 820

Flinn, B.S. see Webb, D.T., 1570

Florence, L.Z. see Kenny, J.R., 1595

Fortin, J.A. see Gagnon, J., 922

Foster, G.S. see Bentzer, B.G., 1172

Fowler, D.P., Park, Y.S., and Gordon, A.G. Genetic variation of red spruce in the Maritimes, 703

Fowler, D.P. see Park, Y.S., 106

Franklin, J.F., and DeBell, D.S. Thirty-six years of tree population change in an old-growth *Pseudotsuga-Tsuga* forest, 633

Fried, J.S., Tappeiner, J.C., II, and Hibbs, D.E. Bigleaf maple seedling establishment and early growth in Douglas-fir forests, 1226

Fullerton, J.M. see Martell, D.L., 444

Gaget, M. see Villar, M., 1261

Gagnon, J., Langlois, C.G., and Fortin, J.A. Growth and ectomycorrhiza formation of containerized black spruce seedlings as affected by nitrogen fertilization, inoculum type, and symbiont, 922

Gagnon, R.R., Chabot, M., et Pineau, M. Effets de l'élagage sur la résistance électrique cambiale de la tige de jeunes Sapins baumiers, 1655

Gagnon, R.R. see Margolis, H.A., 723

Garlick, K. see Farmer, R.E., Jr., 1059

Geiger, J.P. see Nandris, D., 1248

Georis, W. see Webb, D.T., 1570

Gerhold, H.D. see Stanton, B.J., 1531

Geron, C.D., and Ruark, G.A. Comparison of constant and variable allometric ratios for predicting foliar biomass of various tree genera, 1298

Gertner, G.Z. see David, M.B., 1386

Gillard, D. see Tóth, J., 353

Gjerstad, D.H. see Kuhns, M.R., 285

Glerum, C. see Kim, Y.T., 1286

Glover, G.R. see Williams, H.M., 1635

Godbold, D.L., Dictus, K., and Hüttermann, A. Influence of aluminium and nitrate on root growth and mineral nutrition of Norway spruce (*Picea abies*) seedlings, 1167

Goheen, D.J. see Hansen, E.M., 942

Golden, M.S. see Tuttle, C.L., 628

Golden, M.S. see Tuttle, C.L., 867

Gonzalez, J.S., and Richards, J. Early selection for wood density in young coastal Douglas-fir trees, 1182

Gordon, A.G. see Fowler, D.P., 703

Govindaraju, D.R., Wagner, D.B., Smith, G.P., and Dancik, B.P. Chloroplast DNA variation within individual trees of a *Pinus banksiana* — *Pinus contorta* sympatric region, 1347

Grace, J.C. see Santantonio, D., 657

Granier, A. see Aussenac, G., 100

Gregoire, T.G., and Walters, D.K. Composite vector estimators derived by weighting inversely proportional to variance, 282

Grier, C.C. Foliage loss due to snow, wind, and winter drying damage: its effects on leaf biomass of some western conifer forests, 1097

Grigal, D.F. see David, M.B., 1386

Grönroos, R., and von Arnold, S. Initiation of roots on hypocotyl cuttings of *Pinus sylvestris*, with emphasis on direct rooting, root elongation, and auxin uptake, 1457

Groot, A. Methods for estimating seedbed receptivity and for predicting seedling stocking and density in broadcast seeding, 1541

Hadley, J.L. see Carter, G.A., 242

Hain, F.P. see Cook, S.P., 33

Haines, B.L. see White, D.L., 54

Haley, D. see Constantino, L.F., 202

Hall, D.J. see Raffa, K.F., 1661

Hallam, P.M., and Tibbits, W.N. Determination of frost hardiness of *Eucalyptus* using the electrical conductivity of diffusate in conjunction with a freezing chamber, 595

Hallgren, S.W., and Helms, J.A. Control of height growth components in seedlings of California red and white fir by seed source and water stress, 521

Hallgren, S.W. see Carlson, W.C., 1376

Halteman, W.A. see Reams, G.A., 787

Hamm, P.B. see Hansen, E.M., 1053

Hamrick, J.L. see Smith, C.C., 453

Hånell, B. Postdrainage forest productivity of peatlands in Sweden, 1443

Hanley, T.A. see Van Horne, B., 90

Hänninen, H., and Pelkonen, P. Does the temperature response of rest break of woody plants change during the development? 269

Hänninen, H., and Pelkonen, P. Erratum: Does the temperature response of rest break of woody plants change during the development? 1214

Hansen, E.A., McLaughlin, R.A., and Pope, P.E. Biomass and nitrogen dynamics of hybrid poplar on two different soils: implications for fertilization strategy, 223

Hansen, E.M., and Hamm, P.B. Canker diseases of Douglas-fir seedlings in Oregon and Washington bareroot nurseries, 1053

Hansen, E.M., and Goheen, D.J. Rate of increase of black-stain root disease in Douglas-fir plantations in Oregon and Washington, 942

Harrington, C.A. see Carlson, W.C., 1376

Harrington, T.C. see Rizzo, D.M., 991

Harrington, T.C. see Worrall, J.J., 1463

Heath, B., Sollins, P., Perry, D.A., and Cromack, K., Jr. Asymbiotic nitrogen fixation in litter from Pacific Northwest forests, 68

Hedman, C.W., and Binkley, D. Canopy profiles of some Piedmont hardwood forests, 1090

Heilman, P.E. see Stettler, R.F., 745

Helgerson, O.T., Cromack, K., Stafford, S., Miller, R.E., and Slagle, R. Equations for estimating aboveground components of young Douglas-fir and red alder in a coastal Oregon plantation, 1082

Hellberg, A.R. see Bentzer, B.G., 1172

Helms, J.A. see Hallgren, S.W., 521

Hendershot, W.H. see Courchesne, F., 930

Hendrickson, O.Q. Biomass and nutrients in regenerating woody vegetation following whole-tree and conventional harvest in a northern mixed forest, 1427

Hennessey, T.C., Lorenzi, E.M., and McNew, R.W. Stomatal conductance and growth of five *Alnus glutinosa* clones in response to controlled water stress, 421

Hennessey, T.C. see Cregg, B.M., 851

Herman, F.R. see Alaback, P.B., 1522

Hibbs, D.E. see Fried, J.S., 1226

Hinckley, T.M. see Pezeshki, S.R., 1159

Hiratsuka, Y. see Mallett, K.I., 292

Hix, D.M. Multifactor classification and analysis of upland hardwood forest ecosystems of the Kickapoo River watershed, southwestern Wisconsin, 1405

Ho, R.H. Gibberellin A_{4/7} enhances seed-cone production in field-grown black spruce, 139

Hodges, J.D. see Clatterbuck, W.K., 12

Hoganson, H. see Clements, S.E., 1563

Honhart, C. see Juzwik, J., 1493

Hoogenboom, G. see Blake, J.I., 833

Hornbeck, J.W., Smith, R.B., and Federer, C.A. Growth trends in 10 species of trees in New England, 1950–1980, 1337

Horner, J.D. see Van Horne, B., 90

Host, G.E., Pregitzer, K.S., Ramm, C.W., Lusch, D.P., and Cleland, D.T. Variation in overstory biomass among glacial landforms and ecological land units in northwestern Lower Michigan, 659

Houston, D.R., and Valentine, H.T. Beech bark disease: the temporal pattern of cankerings in aftermath forests of Maine, 38

Howard, A.F. Harvesting profitability as affected by classification of costs and assignment of the components of scheduled time, 1369

Hüttermann, A. see Godbold, D.L., 1167

Iles, K., and Fall, M. Can an angle gauge really evaluate "border-line trees" accurately in variable plot sampling? 774

Iles, K., and Wilson, W.H. Changing angle gauges in variable plot sampling: Is there a bias under ordinary conditions? 768

Iles, K. see Smith, N.J., 467

Impens, I. see Ceulemans, R., 1069

Innes, J.L. Forest health surveys: problems in assessing observer objectivity, 560

Jacobson, J.S. see Van Ryn, D.M., 1049

Jahraus, K.V. see Tait, D.E., 1479

Jamnick, M.S., and Beckett, D.R. A logit analysis of private woodlot owner's harvesting decisions in New Brunswick, 330

Janas, P.S. see Brand, D.G., 320

Jin, L., van der Kamp, B.J., Wilson, J., and Swan, E.P. Biodegradation of thujaplicins in living western red cedar, 782

Johnsen, K.H., Feret, P.P., and Seiler, J.R. Root growth potential and shoot activity of northern and southern provenances of 1–0 eastern white pine seedlings grown in a Virginia nursery, 610

Johnson, A.F. see Delisle, G.P., 649

Jokela, J.J. see Uddin, M.R., 937

Joslin, J.D., and Wolfe, M.H. Responses of red spruce seedlings to changes in soil aluminum in six amended forest soil horizons, 1614

Joyce, D.G. Adaptive variation in cold hardiness of eastern larch, *Larix laricina*, in northern Ontario, 85

Joyce, G. see Fahey, T.J., 337

Jozsa, L.A. see Robertson, E.O., 888

Juzwik, J., Honhart, C., and Chong, N. *Cylindrocladium* root rot in Ontario bare-root nurseries: estimate of spruce seedling losses, 1493

Kauppi, A., Kiviniitty, M., and Ferm, A. Growth habits and crown architecture of *Betula pubescens* Ehrh. of seed and sprout origin, 1603

Keifer, M.B. see Kimball, K.D., 385

Keith, C.T., and Chauvet, G. Basic wood properties of European larch from fast-growth plantations in eastern Canada, 1325

Kenney, W.A. see Mosseler, A., 1535

Kenny, J.R., Dancik, B.P., Florence, L.Z., and Nargang, F.E. Nucleotide sequence of the carboxy-terminal portion of a lodgepole pine actin gene, 1595

Kim, Y.T., and Glerum, C. Free amino acid concentrations in red pine needles during three successive autumns, 1286

Kimball, K.D., and Keifer, M. Climatic comparisons with tree-ring data from montane forests: are the climatic data appropriate? 385

Kiss, G., and Yeh, F.C. Heritability estimates for height for young interior spruce in British Columbia, 158

Kittredge, D.B., Jr. The influence of species composition on the growth of individual red oaks in mixed stands in southern New England, 1550

Kiviniitty, M. see Kauppi, A., 1603

Klempner, W.D. see Arthaud, G.J., 1118

Knowles, P. see Farmer, R.E., Jr., 1078

Koppelaar, R.S., and Colombo, S.J. Heat tolerance of actively growing, bud-initiated, and dormant black spruce seedlings, 1103

Korelus, V.J. see Thomson, A.J., 1343

Kozak, A. A variable-exponent taper equation, 1363

Kramer, C.L. see Smith, C.C., 453

Kubler, H. Silvicultural control of mechanical stresses in trees, 1215

Kuhns, M.R., and Gjerstad, D.H. Photosynthate allocation in loblolly pine (*Pinus taeda*) seedlings as affected by moisture stress, 285

Kyker-Snowman, T.D., and Wilson, B.F. Total wood, sapwood, and heartwood in branch bases of three conifers, 1332

Langlois, C.G. see Gagnon, J., 922

La Roi, G.H., Strong, W.L., and Pluth, D.J. Understory plant community classifications as predictors of forest site quality for lodgepole pine and white spruce in west-central Alberta, 875

Lassoie, J.P. see Van Ryn, D.M., 1049

Lavigne, M.B. Stem growth and respiration of young balsam fir trees in thinned and unthinned stands, 483

Lavigne, M.B. Growth and net assimilation rates in thinned and unthinned stands of balsam fir, 1205

Leckie, D.G., Teillet, P.M., Fedosejevs, G., and Ostaff, D.P.

Reflectance characteristics of cumulative defoliation of balsam fir, 1008

Leininger, T.D., and Winner, W.E. Throughfall chemistry beneath *Quercus rubra*: atmospheric, foliar, and soil chemistry considerations, 478

Leuschner, W.A. see Clements, S.E., 1563

Li, H.G. see Schreuder, H.T., 1280

Lieutier, F., and Berryman, A.A. Preliminary histological investigations of the defense reactions of three pines to *Ceratocystis clavigera* and two chemical elicitors, 1243

Lineberger, R.D. see Struve, D.K., 265

Livingston, N.J., and Black, T.A. The growth and water use of three species of conifer seedlings planted on a high-elevation south-facing clearcut, 1234

Loehle, C. Tree life history strategies: the role of defenses, 209

Long, J.N., and Smith, F.W. Leaf area – sapwood area relations of lodgepole pine as influenced by stand density and site index, 247

Long, J.N. see Ballard, L.A., 911

Lorenzi, E.M. see Hennessey, T.C., 421

Loustau, D. see Ruel, J.-C., 1196

Lusch, D.P. see Host, G.E., 659

MacDougall, R.G., MacLean, D.A., and Thompson, R.G. The use of electrical capacitance to determine growth and vigor of spruce and fir trees and stands in New Brunswick, 587

MacLean, D.A. see MacDougall, R.G., 587

MacMillan, P.C. Decomposition of coarse woody debris in an old-growth Indiana forest, 1353

Magnussen, S., and Yeatman, C.W. Height growth and survival of within- and between-provenance crosses in jack pine, 1145

Magnussen, S. see Brand, D.G., 901

Malcolm, D.C. see McKay, H.M., 1416

Mallett, K.I., and Hiratsuka, Y. Inoculation studies of lodgepole pine with Alberta isolates of the *Armillaria mellea* complex, 292

Manasc, J. see Arp, P.A., 251

Margolis, H.A., Gagnon, R.R., Pothier, D., and Pineau, M. The adjustment of growth, sapwood area, heartwood area, and sapwood saturated permeability of balsam fir after different intensities of pruning, 723

Margolis, H.A., Bégin, J., Beeson, R., and Bellefleur, P. The influence of metal halide and high-pressure sodium lamps during photoperiod extension on the allocation of carbon between lignin and cellulose in black spruce seedlings, 962

Marshall, P.L. A procedure for constructing timber management strategies under uncertainty, 398

Martell, D.L., and Fullerton, J.M. Decision analysis for jack pine management, 444

McCarthy, B.C. A method of access into the crowns of subcanopy and canopy trees, 646

McCaughay, J.H. see Saxton, W.L., 143

McCaughay, W.W. see Carlson, C.E., 794

McGregor, M.D. see Amman, G.D., 688

McKay, H.M., and Malcolm, D.C. A comparison of the fine root component of a pure and a mixed coniferous stand, 1416

McKendrick, J.D. see Van Horne, B., 90

McLaughlin, R.A. see Hansen, E.A., 223

McLean, J.A., and Tuytel, J. Marking forest insects: evaluation of two systems for the systemic introduction of rubidium into Douglas-fir trees, 19

McLean, J.A. see Shore, T.L., 1113

McLeod, K.W. see Topa, M.A., 276

McLeod, S.D., and Running, S.W. Comparing site quality indices and productivity in ponderosa pine stands of western Montana, 346

McMinn, J.W., and Nutter, W.L. Season and intensity of whole-tree harvesting influence regeneration in the oak–pine type, 669

McNay, R.S., Peterson, L.D., and Nyberg, J.B. The influence of forest stand characteristics on snow interception in the coastal forests of British Columbia, 566

McNew, R.W. see Hennessey, T.C., 421

Meil, J.K., and Nautiyal, J.C. An intraregional economic analysis of production structure and factor demand in major Canadian softwood lumber producing regions, 1036

Meldahl, R.S. see Tuttle, C.L., 628

Meldahl, R.S. see Tuttle, C.L., 867

Melillo, J.M. see Wessman, C.A., 6

Mendoza, G.A. see Bare, B.B., 545

Merkle, S.A., Adams, W.T., and Campbell, R.K. Multivariate analysis of allozyme variation patterns in coastal Douglas-fir from southwest Oregon, 181

Messier, C., and Bellefleur, P. Light quantity and quality on the forest floor of pioneer and climax stages in a birch–beech – sugar maple stand, 615

Meyer, M.M., Jr. see Uddin, M.R., 937

Micko, M.M. see Yang, R.C., 954

Miller, G. see Bartram, C., 1397

Miller, R.E. see Helgerson, O.T., 1082

Misson, J.-P. Multiplication du *Thuja plicata* par culture *in vitro* de tissus juvéniles et âgés, 473

Moran, G.F., Bell, J.C., and Eldridge, K.G. The genetic structure and the conservation of the five natural populations of *Pinus radiata*, 506

Mosseler, A., Zsuffa, L., Stoehr, M.U., and Kenney, W.A. Variation in biomass production, moisture content, and specific gravity in some North American willows (*Salix* L.), 1535

Mudge, K.W. see Diebolt, K.S., 377

Mugasha, A.G. see Brown, K.M., 1340

Mugnai, L. see Calamassi, R., 188

Muir, P.S., and Armentano, T.V. Evaluating oxidant injury to foliage of *Pinus ponderosa*: a comparison of methods, 498

Murphy, A.H. see Brown, B.G., 1641

Murphy, P.A., and Farrar, R.M., Jr. Basal-area projection equations for thinned natural even-aged forest stands, 827

Nandris, D., Nicole, M., and Geiger, J.P. Root-rot diseases of the rubber tree in the Ivory Coast. 1. Severity, dynamics, and characterization of epidemics, 1248

Nargang, F.E. see Kenny, J.R., 1595

Nautiyal, J.C. see Meil, J.K., 1036

Navratil, S. see Bella, I.E., 1437

Nelson, E.E. see Thies, W.G., 801

Nelson, R.M., Jr., and Adkins, C.W. A dimensionless correlation for the spread of wind-driven fires, 391

Newham, R.M. A modification of the Ek-Payandeh nonlinear regression model for site index curves, 115

Nicole, M. see Nandris, D., 1248

Nutter, W.L. see McMinn, J.W., 669

Nyberg, J.B. see McNay, R.S., 566

Oakes, R.D. see Amman, G.D., 688

O'Hara, K.L. Stand structure and growing space efficiency following thinning in an even-aged Douglas-fir stand, 859

Ohmann, L.F. see David, M.B., 1386

O'Reilly, C., and Owens, J.N. Reproductive growth and development in seven provenances of lodgepole pine, 43

Ostaff, D.P. see Leckie, D.G., 1008

Ouellet, D., and Zarnovican, R. Cultural treatment of young yellow birch (*Betula alleghaniensis* Britton) stands. I. Tree classification and stand structure, 1581

Ouellet, D. see Ung, C.-H., 739

Owens, J.N., and Simpson, S.J. Bud and shoot development in *Picea engelmannii* in response to cone induction treatments, 231

Owens, J.N. see O'Reilly, C., 43

Paine, T.D., Stephen, F.M., and Cates, R.G. Phenology of an induced response in loblolly pine following inoculation of fungi associated with the southern pine beetle, 1556

Pallardy, S.G. see Parker, W.C., 1

Pallardy, S.G. see Parker, W.C., 1211

Park, Y.S., and Fowler, D.P. Geographic variation of black spruce tested in the Maritimes, 106

Park, Y.S. see Fowler, D.P., 703

Parker, W.C., and Pallardy, S.G. Leaf and root osmotic adjustment in drought-stressed *Quercus alba*, *Q. macrocarpa*, and *Q. stellata* seedlings, 1

Parker, W.C., and Pallardy, S.G. Pressure-volume analysis of leaves of *Robinia pseudoacacia* L. with the sap expression and free transpiration methods, 1211

Parker, W.H., van Niejhuis, A., and Van Damme, L. Baseline selection of black spruce by large-scale aerial photography, 380

Parks, P.J., and Alig, R.J. Land base models for forest resource supply analysis: a critical review, 965

Payandeh, B. Discussion: An assessment of the structural method of deriving a black spruce site equation by V.G. Smith, 1351

Pelkonen, P. see Hänninen, H., 269

Pelkonen, P. see Hänninen, H., 1214

Perry, D.A. see Heath, B., 68

Perry, D.J. see Farmer, R.E., Jr., 1078

Peterson, D.L. see Wessman, C.A., 6

Peterson, L.D. see McNay, R.S., 566

Peterson, M.J., Sutherland, J.R., and Tuller, S.E. Greenhouse environment and epidemiology of grey mould of container-grown Douglas-fir seedlings, 974

Pezeshki, S.R., and Hinckley, T.M. Water relations characteristics of *Alnus rubra* and *Populus trichocarpa*: responses to field drought, 1159

Phipps, R.L., and Whiton, J.C. Decline in long-term growth trends of white oak, 24

Pickard, M.A. see Blenis, P.V., 1658

Pineau, M. see Margolis, H.A., 723

Pineau, M. see Ruel, J.-C., 1196

Pineau, M. see Gagnon, R.R., 1655

Pinnell, H.D. see Blenis, P.V., 1123

Pitel, J.A. see Farmer, R.E., Jr., 1078

Pitel, J.A. see Cheliak, W.M., 1318

Plamondon, A.P. see Barry, R., 427

Pluth, D.J. see La Roi, G.H., 875

Podzorski, A.C. see Bentzer, B.G., 1172

Pope, P.E. see Hansen, E.A., 223

Pope, P.E. see Simmons, G.L., 728

Pope, P.E. see Simmons, G.L., 1392

Pothier, D. see Margolis, H.A., 723

Pregitzer, K.S. see Host, G.E., 659

Price, A.G. see Watters, R.J., 1490

Proebsting, W.M. see Beeson, R.C., Jr., 986

Raffa, K.F., and Hall, D.J. *Thrips calcaratus* Uzel (Thysanoptera: Thripidae), a new pest of basswood trees in the Great Lakes region, 1661

Raffa, K.F., and Smalley, E.B. Response of red and jack pines to inoculation with microbial associates of the pine engraver, *Ips pini* (Coleoptera: Scolytidae), 581

Raffa, K.F., and Smalley, E.B. Host resistance to invasion by lower stem and root infesting insects of pine: response to controlled inoculations with the fungal associate *Leptographium terebrantis*, 675

Raffa, K.F., and Smalley, E.B. Seasonal and long-term responses of host trees to microbial associates of the pine engraver, *Ips pini*, 1624

Ralph, D.R. see Thomson, A.J., 1343

Ramm, C.W. see Host, G.E., 659

Rauscher, H.M. see Erdmann, G.G., 134

Reads, G.A., Brann, T.B., and Halteman, W.A. A nonparametric survival model for balsam fir during a spruce budworm outbreak, 787

Reinhardt, E.D. see Ryan, K.C., 1291

Rhodus, W.T. see Struve, D.K., 131

Richards, J. see Gonzalez, J.S., 1182

Rizzo, D.M., and Harrington, T.C. Root movement and root damage of red spruce and balsam fir on subalpine sites in the White Mountains, New Hampshire, 991

Robertson, E.O., and Jozsa, L.A. Climatic reconstruction from tree rings at Banff, 888

Ross, S.D. Effects of temperature, drought, and gibberellin A_{4/7}, and timing of treatment, on flowering in potted *Picea engelmannii* and *Picea glauca* grafts, 163

Ross, S.D. Pre- and post-pollination polyhouse environment effects on pollen and seed development in potted *Picea engelmannii* grafts, 623

Rossignol, L. see Breuil, C., 374

Ruark, G.A., and Bockheim, J.G. Biomass, net primary production, and nutrient distribution for an age sequence of *Populus tremuloides* ecosystems, 435

Ruark, G.A. see Geron, C.D., 1298

Ruel, J.-C., Loustau, D., et Pineau, M. Relations entre la microtopographie, les caractéristiques de la couverture morte et la répartition des essences dans une érablière à Bouleau jaune, 1196

Running, S.W. see McLeod, S.D., 346

Rustad, L.E., and Cronan, C.S. Element loss and retention during litter decay in a red spruce stand in Maine, 947

Ryan, K.C., and Reinhardt, E.D. Predicting postfire mortality of seven western conifers, 1291

Ryan, M.G. see Schreuder, H.T., 1280

Saddler, J.N. see Breuil, C., 374

Santonio, D., and Grace, J.C. Erratum: Estimating fine-root production and turnover from biomass and decomposition data: a compartment-flow model, 657

Sawyer, J.O., Jr. see Bingham, B.B., 1649

Saxton, W.L., and McCaughey, J.H. Measurement considerations and trends in biomass heat storage of a mixed forest, 143

Schmidt, M.G., and Carmean, W.H. Jack pine site quality in relation to soil and topography in north central Ontario, 297

Schmitz, R.F. see Amman, G.D., 688

Schreuder, H.T., Li, H.G., Ryan, M.G., and Scott, C.T. Adjusting estimates in two-way tables by incorporating outside information, 1280

Scott, C.T. see Schreuder, H.T., 1280

Seifert, K.A. see Breuil, C., 374

Seiler, J.R. see Johnsen, K.H., 610

Shay, J.M. see Zwiazek, J.J., 1305

Shay, J.M. see Zwiazek, J.J., 1311

Sholes, O.D.V. see Beatty, S.W., 553

Shore, T.L., and McLean, J.A. The use of mark-recapture to evaluate a pheromone-based mass trapping program for ambrosia beetles in a sawmill, 1113

Sievänen, R., Burk, T.E., and Ek, A.R. Construction of a stand

growth model utilizing photosynthesis and respiration relationships in individual trees, 1027

Simmons, G.L., and Pope, P.E. Development of a root growth model for yellow-poplar and sweetgum seedlings grown in compacted soil, 728

Simmons, G.L., and Pope, P.E. Influence of soil water potential and mycorrhizal colonization on root growth of yellow-poplar and sweet gum seedlings grown in compacted soil, 1392

Simpson, S.J. see Owens, J.N., 231

Slagle, R. see Helgerson, O.T., 1082

Smalley, E.B. see Raffa, K.F., 581

Smalley, E.B. see Raffa, K.F., 675

Smalley, E.B. see Raffa, K.F., 1624

Smit, B.A. Selection of flood-resistant and susceptible seedlings of *Populus trichocarpa* Torr. & Gray, 271

Smith, C.C., Hamrick, J.L., and Kramer, C.L. The effects of stand density on frequency of filled seeds and fecundity in lodgepole pine (*Pinus contorta* Dougl.), 453

Smith, F.W. see Long, J.N., 247

Smith, G.P. see Govindaraju, D.R., 1347

Smith, N.J., and Iles, K. A graphical depiction of multivariate similarity among sample plots, 467

Smith, R.B. see Hornbeck, J.W., 1337

Smith, V.G. *Reply:* An assessment of the structural method of deriving a black spruce site equation by B. Payandeh, 1351

Smith, W.K. see Carter, G.A., 242

Sollins, P. see Heath, B., 68

South, D.B. see Tuttle, C.L., 867

South, D.B. see Williams, H.M., 1635

Spicer, K.W. see Catling, P.M., 1017

Stafford, S. see Helgerson, O.T., 1082

Stanton, B.J., and Gerhold, H.D. Family and family \times nitrogen interaction effects on juvenile growth of *Prunus serotina*, 1531

Stanton, B.J. see Stettler, R.F., 745

St. Clair, J.B., and Critchfield, W.B. Hybridization of a Rocky Mountain fir (*Abies concolor*) and a Mexican fir (*Abies religiosa*), 640

Steenackers, V. see Ceulemans, R., 1069

Stein, J. see Barry, R., 427

Stephen, F.M. see Paine, T.D., 1556

Stettler, R.F., Fenn, R.C., Heilman, P.E., and Stanton, B.J. *Populus trichocarpa* \times *Populus deltoides* hybrids for short rotation culture: variation patterns and 4-year field performance, 745

Stoehr, M.U. see Mosseler, A., 1535

Stohlgren, T.J. Litter dynamics in two Sierran mixed conifer forests. I. Litterfall and decomposition rates, 1127

Stohlgren, T.J. Litter dynamics in two Sierran mixed conifer forests. II. Nutrient release in decomposing leaf litter, 1136

Strong, W.L. see La Roi, G.H., 875

Struve, D.K., and Lineberger, R.D. Restoration of high adventitious root regeneration potential in mature *Betula papyrifera* Marsh. softwood stem cuttings, 265

Struve, D.K., and Rhodus, W.T. Phenyl indole-3-thiolobutyrate increases growth of transplanted 1-0 red oak, 131

Sutherland, J.R. see Peterson, M.J., 974

Swan, E.P. see Jin, L., 782

Swank, W.T. see Watwood, M.E., 820

Tait, D.E. The dynamics of stand development: a general stand model applied to Douglas-fir, 696

Tait, D.E., and Jahraus, K.V. The contrast in stand dynamics as revealed by comparing parameter estimates for a general stand growth model, 1479

Tait, D.E., Cieszewski, C.J., and Bella, I.E. The stand dynamics of lodgepole pine, 1255

Tappeiner, J.C., II. see Fried, J.S., 1226

Tardif, J. see Bergeron, J.-M., 280

Teillet, P.M. see Leckie, D.G., 1008

Teskey, R.O. see Fites, J.A., 150

Theroux, L.J. see Carlson, C.E., 794

Thies, W.G., and Nelson, E.E. Bulldozing stumps and nitrogen fertilization affect growth of Douglas-fir seedlings, 801

Thompson, R.G. see MacDougall, R.G., 587

Thomson, A.J., and El-Kassaby, Y.A. Trend surface analysis of a Douglas-fir provenance-progeny transfer test, 515

Thomson, A.J., Tudor, K.D., Korelus, V.J., and Ralph, D.R. Detecting the response of Douglas-fir to nitrogen fertilization by regression of periodic annual basal area increment against basal area, 1343

Tibbits, W.N. see Hallam, P.M., 595

Tinus, R.W. see Clancy, K.M., 530

Titus, S.J. see Delisle, G.P., 649

Todd, D. The effects of host genotype, growth rate, and needle age on the distribution of a mutualistic, endophytic fungus in Douglas-fir plantations, 601

Topa, M.A., and McLeod, K.W. Promotion of aerenchyma formation in *Pinus serotina* seedlings by ethylene, 276

Tóth, J., and Gillard, D. Experimental design and evaluation of a peatland drainage system for forestry by optimization of synthetic hydrographs, 353

Trowbridge, R., and Feller, M.C. Relationships between the moisture content of the fine woody fuels in lodgepole pine slash and the Fine Fuel Moisture Code of the Canadian Forest Fire Weather Index System, 128

Tudor, K.D. see Thomson, A.J., 1343

Tuller, S.E. see Peterson, M.J., 974

Tung, C.-H., and DeYoe, D.R. Growth resumption and performance of nonchilled *Abies* seedlings after their first winter, 1486

Tuttle, C.L., Golden, M.S., and Meldahl, R.S. Soil compaction effects on *Pinus taeda* establishment from seed and early growth, 628

Tuttle, C.L., South, D.B., Golden, M.S., and Meldahl, R.S. Initial *Pinus taeda* seedling height relationships with early survival and growth, 867

Tuytel, J. see McLean, J.A., 19

Uddin, M.R., Meyer, M.M., Jr., and Jokela, J.J. Plantlet production from anthers of Eastern cottonwood (*Populus deltoides*), 937

Ung, C.-H., et Végiard, S. Problèmes d'inférence statistique reliés à la transformation logarithmique en régression, 733

Ung, C.-H., Végiard, S., et Ouellet, D. Variance asymptotique des estimateurs en régression non linéaire, 739

Usiusuori, J. see Buongiorno, J., 1587

Valentine, H.T. see Houston, D.R., 38

Vales, D.J., and Bunnell, F.L. Comparison of methods for estimating forest overstory cover, I. Observer effects, 606

Van Damme, L. see Parker, W.H., 380

van den Driessche, R. Nursery growth of conifer seedlings using fertilizers of different solubilities and application time, and their forest growth, 172

van der Kamp, B.J. Susceptibility of lodgepole pine provenances to geographically separate western gall rust spore sources, 1203

van der Kamp, B.J. see Jin, L., 782

Van Deusen, P.C. Simultaneous estimation with a squared error loss function, 1093

Van Deusen, P.C., and Dell, T.R. *Discussion:* Compatible crown

ratio and crown height models by M.E. Dyer and H.E. Burkhardt, 825

Van Horne, B., Hanley, T.A., Cates, R.G., McKendrick, J.D., and Horner, J.D. Influence of seral stage and season on leaf chemistry of southeastern Alaska deer forage, 90

van Niejenhuis, A. see Parker, W.H., 380

Van Ryn, D.M., Lassoie, J.P., and Jacobson, J.S. Effects of acid mist on *in vivo* pollen tube growth in red maple, 1049

Van Wagner, C.E. Effect of slope on fires spreading downhill, 818

Végiard, S. see Ung, C.-H., 733

Végiard, S. see Ung, C.-H., 739

Vihnanek, R.E., and Ballard, T.M. Slashburning effects on stocking, growth, and nutrition of young Douglas-fir plantations in salal-dominated ecosystems of eastern Vancouver Island, 718

Villar, M., Gaget, M., and Dumas, C. Micro-isoelectric focusing of proteins from single stigmas of *Populus*, 1261

Volney, W.J.A. Analysis of historic jack pine budworm outbreaks in the Prairie provinces of Canada, 1152

von Arnold, S. see Grönroos, R., 1457

von Niessen, W., and Blumen, A. Dynamic simulation of forest fires, 805

Wagner, D.B. see Govindaraju, D.R., 1347

Wagner, M.R. see Clancy, K.M., 530

Walker, N.K. see Dodd, R.S., 406

Wall, R.E. Deterioration of severely defoliated balsam fir in relation to stand age, spacing, and foliar protection, 490

Walters, D.K. see Gregoire, T.G., 282

Wang, E.I.C. see Yang, R.C., 954

Wang, J. see Cheliak, W.M., 1318

Watson, S.R. see Farmer, R.E., Jr., 1059

Watters, R.J., and Price, A.G. The influence of stemflow from standing dead trees on the fluxes of some ions in a mixed deciduous forest, 1490

Watwood, M.E., Fitzgerald, J.W., and Swank, W.T. Effects of moisture content on sulfate generation and retention in hardwood forest upper soil horizons, 820

Webb, D.T., Flinn, B.S., and Georgis, W. Micropagation of eastern white pine (*Pinus strobus* L.), 1570

Webb, S.L. Windstorm damage and microsite colonization in two Minnesota forests, 1186

Wessman, C.A., Aber, J.D., Peterson, D.L., and Melillo, J.M. Foliar analysis using near infrared reflectance spectroscopy, 6

White, D.L., Haines, B.L., and Boring, L.R. Litter decomposition in southern Appalachian black locust and pine-hardwood stands: litter quality and nitrogen dynamics, 54

Whiton, J.C. see Phipps, R.L., 24

Wiggins, K.L. see Blenis, P.V., 1658

Williams, C.G. Accelerated short-term genetic testing for loblolly pine families, 1085

Williams, H.M., South, D.B., and Glover, G.R. Effect of bud status and seedling biomass on root growth potential of loblolly pine, 1635

Wilson, A.A.G. Width of firebreak that is necessary to stop grass fires: some field experiments, 682

Wilson, B.F. see Bozzuto, L.M., 643

Wilson, B.F. see Kyker-Snowman, T.D., 1332

Wilson, J. see Jin, L., 782

Wilson, W.H. see Iles, K., 768

Winner, W.E. see Leininger, T.D., 478

Wisdom, H.W. see Clements, S.E., 1563

Wolfe, M.H. see Joslin, J.D., 1614

Woodard, P.M. see Delisle, G.P., 649

Worrall, J.J., and Harrington, T.C. Etiology of canopy gaps in spruce-fir forests at Crawford Notch, New Hampshire, 1463

Yamada, J. see Breuil, C., 374

Yang, R.C., Wang, E.I.C., and Micko, M.M. Effects of fertilization on wood density and tracheid length of 70-year-old lodgepole pine in west-central Alberta, 954

Yavitt, J.B. see Fahey, T.J., 337

Yeatman, C.W. see Magnussen, S., 1145

Yeh, F.C. see Kiss, G., 158

Zakrzewski, W.T., and Bella, I.E. Two new height models for volume estimation of lodgepole pine stands, 195

Zarnovican, R. see Ouellet, D., 1581

Zasada, J.C. Embryo growth in Alaskan white spruce seeds, 64

Zasada, J.C. see Brown, K.R., 306

Zobel, D.B. see Brown, K.R., 306

Zsuffa, L. see Mosseler, A., 1535

Zwiazek, J.J., and Shay, J.M. Sodium fluoride induced metabolic changes in jack pine seedlings. I. Effect on gas exchange, water content, and carbohydrates, 1305

Zwiazek, J.J., and Shay, J.M. Sodium fluoride induced metabolic changes in jack pine seedlings. II. Effect on growth, acid phosphatase, cytokinins, and pools of soluble proteins, amino acids, and organic acids, 1311

